

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims:

- Also*
1. (currently amended) A method for starting an internal combustion engine with ~~electrically~~mechanically actuated valves, the method comprising:
 - during a first set of operating conditions, performing a first combustion event in a first cylinder of said engine during at least two consecutive starts of said engine; and
 - during a second set of operating conditions, performing a first combustion event in a second cylinder of said engine.
 2. (original) The method of Claim 1 wherein said operating conditions includes a temperature of said engine.
 3. (original) The method of Claim 1 wherein said operating conditions includes a temperature of ambient air inducted into said engine.
 4. (original) The method of Claim 1 wherein said operating conditions includes a temperature of a catalyst.
 5. (original) The method of Claim 1 wherein said operating conditions includes barometric pressure

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6. (currently amended) A method for starting an internal combustion engine with ~~electrically~~mechanically actuated valves, the method comprising:
 - during a first set of operating conditions performing a first combustion event in a first cylinder of said engine during at least two consecutive starts of said engine; and
 - during a second set of operating conditions performing a first combustion event in a second cylinder of said engine during at least two consecutive starts of said engine.
7. (original) The method of Claim 6 wherein said operating conditions includes a temperature of said engine.
8. (original) The method of Claim 6 wherein said operating conditions includes a temperature of ambient air inducted into said engine.
9. (original) The method of Claim 6 wherein said operating conditions includes a temperature of a catalyst.
10. (original) The method of Claim 6 wherein said operating conditions included barometric pressure
11. (original) The method of claim 6 wherein a cylinder to perform said first combustion event is further based on a characteristic of the engine.
12. (original) The method of Claim 11 wherein said engine characteristic is a distance of said cylinder relative to the engine flywheel.

13. (original) The method of Claim 11 wherein said engine characteristic is intake port geometry.
14. (original) The method of Claim 11 wherein said engine characteristic is intake port surface finish.
15. (original) The method of Claim 11 wherein said engine characteristic is a location of said cylinder relative to the location of an oxygen sensor in the exhaust manifold.
16. (original) The method of Claim 11 wherein said engine characteristic is a location of an injector relative to said cylinder.
17. (original) The method of Claim 11 wherein said engine characteristic is a location of said cylinder relative to a motor mount.
18. (original) The method of Claim 11 wherein said selected cylinder is further based on an engine operating condition.
19. (original) A computer readable storage medium having stored data representing instructions executable by a computer to control an internal combustion engine of a vehicle, said storage medium comprising:
 - instructions that during a first set of operating conditions perform a first combustion event in a first cylinder of said engine during at least two consecutive starts of said engine; and
 - during a second set of operating conditions performing a first combustion event in a second cylinder of said engine.

20. (new) The method of Claim 1 wherein said electrically actuated valves are electromechanical valves.

21. (new) The method of Claim 6 wherein said electrically actuated valves are electromechanical valves.